

## ADDITIONS TO THE CATALOG OF OHIO VASCULAR PLANTS FOR 1930.\*

JOHN H. SCHAFFNER.

An unusually large number of additions have been made to the Ohio State Herbarium during the year 1930. Only the most important records are mentioned in this list. The distribution records will, however, all appear in the "Revised Catalog of Ohio Vascular Plants" which is now in preparation and which it is hoped can be published promptly after completion. Among the records included in the present list are a considerable number obtained from the Milo G. Williams Herbarium which is owned by Urbana University and which was put in order last year by Dr. Minnie M. Johnson and Miss Margaret Engelhart to whom special thanks are due for assistance in looking over the herbarium. Milo G. Williams was one of the pioneer botanists of Ohio and apparently collected plants from 1833 to 1878. The herbarium also contains specimens from Wm. S. Sullivant, Thos. G. Lea, and other early Ohio botanists.

1. *Ophioglossum vulgatum* L. Adder-tongue. Greendale, Hocking Co., E. A. Albaugh and Len. Stephenson. Washington Twp., Pickaway Co., Leslie L. Pontius and Floyd Bartley.
19. *Anchistea virginica* (L.) Presl. Virginia Chain-fern. Shore of White Pond, near Akron, Summit Co., R. B. Gordon and F. B. Chapman.
25. *Asplenium cryptolepis* Fern. American Wall-rue Spleenwort. Mifflin Twp., Pike Co., Leslie L. Pontius and Floyd Bartley.
49. *Isoetes engelmanni* A. Br. Engelmann's Quillwort. "Ponds," Urbana, Champaign Co., M. G. Williams. (Urbana Univ. Herb.).
- 53.1. *Equisetum kansanum* Schaffn. Kansas Scouring-rush. Springfield Twp., Lucas Co., Louis W. Campbell. Oakshade, Fulton Co., L. E. Hicks.
58. *Lycopodium lucidulum* Mx. Shining Club-moss. "In very wet woods." Bluffton, Allen Co., M'Della Moon. Pine Hollow, between Hemlock and Shawnee, Perry Co., Rodney D. Book.
60. *Lycopodium inundatum* L. Bog Club-moss. A different patch from that reported in 1928. Swanton Twp., Lucas Co., Louis W. Campbell.
62. *Lycopodium obscurum* L. Tree Club-moss. Swanton Twp., Lucas Co., Louis W. Campbell. Near Jackson, Jackson Co., L. Z. Arthur.
63. *Lycopodium complanatum* L. Trailing Club-moss. Springfield, Clark Co., "Damp woods," M. G. Williams. (Urbana Univ. Herb.). Also Mifflin Twp., Pike Co., Leslie L. Pontius and Floyd Bartley.
65. *Selaginella apoda* (L.) Fern. Creeping Selaginella. Franklin Twp., Ross Co., Floyd Bartley and Leslie L. Pontius.
72. *Thuja occidentalis* L. Arborvitae. Clear Creek Gorge, Paxton Twp., Ross Co., Floyd Bartley and Leslie L. Pontius.
104. *Potamogeton robbinsii* Oakes. Robbin's Pondweed. Indian Lake, Logan Co., Geo. A. Heffner, F. B. Chapman, and R. B. Gordon.

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\*Papers from the Department of Botany, The Ohio State University, No. 274.

108. *Brasenia schreberi* Gmel. Water-shield. Urbana, Champaign Co., M. G. Williams. (Urbana Univ. Herb.).
132. *Wolffiella floridana* (J. D. Sm.) Thomp. Florida Wolffiella. Buckeye Swamp Sanctuary, Buckeye Lake, Perry Co.; South shore of Buckeye Lake, Fairfield Co., Lawrence E. Hicks.
133. *Wolffia columbiana* Karst. Columbia Wolffiella. Buckeye Lake, Thornport, Perry Co.; South shore of Buckeye Lake, Fairfield Co.; New Garden, Columbiana Co.; Attica, Seneca Co.; Wayne Twp., Ashtabula Co.; Old Woman Creek Swamp, Erie Co.; Zoar Fish Hatchery, Tuscarawas Co.; Fredericktown, Knox Co.; Fountain Park, Champaign Co.; Athens, Athens Co.; Milford Center, Union Co.; Edon, Williams Co.; Edgerton, Defiance Co., L. E. Hicks.
134. *Wolffia punctata* Griseb. Punctate Wolffiella. Indian Lake, Logan Co.; Cranberry Island, Buckeye Lake, Licking Co.; Zoar, Tuscarawas Co.; Fairport and Lehman, Lake Co.; Trinway, Muskingum Co.; Fireside, Seneca Co.; Milford Center, Union Co.; Buckeye Swamp Sanctuary, Buckeye Lake, Perry Co.; South shore of Buckeye Lake, Fairfield Co., Lawrence E. Hicks.
138. *Cyperus inflexus* Muhl. Awed Cyperus. Wakatomika, Creek, Licking Co., R. B. Gordon.
141. *Cyperus engelmanni* Steud. Engelmann's Cyperus. Indian Lake, Logan Co., Geo. A. Heffner, F. B. Chapman, and R. B. Gordon.
155. *Eleocharis tenuis* (Willd.) Schultes. Slender Spike-rush. Red Hills region near Westerville, Delaware Co., F. B. Chapman.
- 170.1. *Eriophorum gracile* Koch. Slender Cotton-sedge. In bog at Baumgardner's Pond, Jackson Twp., Franklin Co., R. B. Gordon and E. S. Thomas.
- 184.1. *Carex texensis* (Torr.) Bail. Texas Sedge. Growing under trees in Goodale Park, Columbus, Franklin Co., John H. Schaffner.
197. *Carex decomposita* Muhl. Large-panicled Sedge. "Very Rare." Columbus, Franklin Co., Wm. S. Sullivant (Williams Herb.). Urbana Univ.
208. *Carex scoparia* Schk. Pointed Broom Sedge. Shawnee State Forest, Scioto Co., Conrad Roth.
247. *Carex hitchcockiana* Dew. Hitchcock's Sedge. Webster Twp., Wood Co., E. L. Moseley.
276. *Carex irregularis* Schw. (C. oederi Retz.). Green Sedge. Cedar Swamp, Champaign Co., 1839. Wm. S. Sullivant. (Williams Herbarium). Urbana Univ.
297. *Bromus kalmii* Gr. Kalm's Chess. Liberty Twp., Highland Co., Katie M. Roads.
- 321.1. *Uniola latifolia* Mx. Broad-leaf Spike-grass. Rocky Fork Gorge, Highland Co., Leslie L. Pontius, and Floyd Bartley.
344. *Koeleria cristata* (L.) Pers. Crested Koeler-grass. Clifton Gorge, Greene Co., R. B. Gordon.
349. *Phragmites phragmites* (L.) Karst. Common Reed-grass. Loganda, near Springfield, Clark Co., T. G. Lea (Williams Herb.). Urbana Univ.
352. *Arrhenatherum elatius* (L.) Brauv. Oat-grass. Bowling Green, Wood Co., E. L. Moseley.
353. *Trisetum pennsylvanicum* (L.) Beauv. Marsh False-oats. Liberty Twp., Ross Co., Floyd Bartley and Leslie L. Pontius.
356. *Avena fatua* L. Wild Oats. Hillsboro, Highland Co., Katie M. Roads.
- 356.1. *Deschampsia caespitosa* (L.) Beauv. Tufted Hair-grass. Cedar Swamp, Champaign Co., H. Bruce Hill and R. B. Gordon.
368. *Elymus hirsutiglumis* Scribn. & Sm. Strict Wild-rye. Fairport, Lake Co., L. E. Hicks.
376. *Spartina michauxiana* Hitch. Tall Slough-grass. Near Cincinnati, Hamilton Co., T. G. Lea (Williams Herb.). Urbana Univ.
378. *Capriola dactylon* (L.) Ktze. Bermuda-grass. "Spread in a garden on town lot, completely covering it." Pleasantville, Fairfield Co., C. J. Willard.
383. *Sporobolus asper* (Mx.) Kunth. Longleaf Rush-grass. Pickaway Co., Glenn W. Blaydes. Rocky Fork Gorge, Highland Co., Floyd Bartley and Leslie L. Pontius.

- 396.1. *Alopecurus aristatulus* Mx. Short-awned Foxtail. Swamp near Circleville, Pickaway Co., John H. Schaffner.
409. *Stipa spartea* Trin. Porcupine-grass. Swanton, Fulton Co., L. E. Hicks.
411. *Aristida oligantha* Mx. Few-flowered Triple-awned-grass. Liberty Twp., Ross Co., Floyd Bartley and Leslie L. Pontius.
416. *Phalaris canariensis* L. Canary-grass. Columbus, Franklin Co., M. S. and S. S. Humphrey.
- 454.1. *Echinochloa frumentacea* (Roxb.) Link. Billion-dollar-grass. Freight Yard, Hillsboro, Highland Co., Katie M. Roads.
478. *Lilium umbellatum* Pursh. Western Red Lily. Holland, Lucas Co., L. E. Hicks.
- 481.2. *Nothoscordum bivalve* (L.) Britt. Yellow False-garlic. Urbana, Clark Co., M. G. Williams. (Urbana Univ. Herb.).
494. *Melanthium virginicum* L. Virginia Bunch-flower. "Wet Meadows." Dayton, Montgomery Co., M. G. Williams. (Urbana Univ. Herb.).
497. *Anticlea elegans* (Pursh) Rydb. Glaucous Anticlea. Yellow Springs, Greene Co., M. G. Williams. (Urbana Univ. Herb.).
500. *Triantha glutinosa* (Mx.) Baker. Glutinous Triantha. Springfield, Clark Co. and Urbana, Champaign Co., M. G. Williams. (Urbana Univ. Herb.).
530. *Tradescantia reflexa* Raf. Reflexed Spiderwort. Agosta, Marion Co., A. E. Waller. Black Hand Gorge, Licking Co., Southwest of Gallipolis, Gallia Co., L. E. Hicks.
- 546.1. *Juncus brachycarpus* Engelm. Short-fruited Rush. Union Twp., Highland Co., Katie M. Roads.
557. *Iris versicolor* L. Northern Blue-flag. In Tamarack bog, Farmer, Defiance Co., Delta, Fulton Co., Williams Center, Williams Co., L. E. Hicks and Robert McCormick. Also "growing near waters edge near to clumps of *Iris virginica*," Turkeyfoot Point, Indian Lake, Logan Co., L. E. Hicks.
- 557.3. *Iris foliosa* Mack. and Bush. Leafy Blue-flag. Napoleon, Henry Co.; Essex and Richwood, Union Co.; Greenville, Darke Co., L. E. Hicks and R. H. McCormick. Green Camp Twp., Marion Co., R. H. McCormick.
- 557.4. *Iris fulva* Ker. Red-brown Iris. "Escaped and naturalized along a brook in a pasture near Mechanicsburg," Champaign Co., A. E. Waller.
- 558.1. *Iris pumila* L. Dwarf Iris. "Escaped along road 3 miles north of Napoleon, Henry Co., Lawrence E. Hicks.
- 561.1. *Sisyrinchium mucronatum* Mx. Michaux's Blue-eyed-grass. West of Bainbridge, Ross Co., L. E. Hicks.
580. *Blephariglotis peramoena* (Gr.) Rydb. Fringeless Purple Orchis. Vinton Co., E. A. Albaugh and Len. Stephenson.
581. *Pogonia ophioglossoides* (L.) Ker. Rose Pogonia. Cedar Swamp, Champaign Co., M. G. Williams. (Urbana Univ. Herb.).
582. *Isotria verticillata* (Willd.) Raf. Whorled Isotria. Red Hills region, Central College, Franklin Co., F. B. Chapman and R. B. Gordon.
587. *Ibidium plantagineum* (Raf.) House. Broadleaf Lady's-tresses. Springfield Twp., Lucas Co., Louis W. Campbell; Mifflin Twp., Pike Co., Floyd Bartley and Leslie L. Pontius.
594. *Malaxis unifolia* Mx. Green Addermouth. Springfield, Clark Co., M. G. Williams. (Urbana Univ. Herb.); Buchtel, Athens Co., Len. Stephenson and Walter Porter; Mifflin Twp., Pike Co., Floyd Bartley and Leslie L. Pontius.
- 614a. *Ranunculus repens pleniflorus* Fern. Double-flowered Creeping Buttercup. Wapakoneta, Auglaize Co., Wm. Kayser; "A general escape in Hillsboro, Highland Co., Katie M. Roads.
- 657.1. *Berberis thunbergii* D. C. Japanese Barberry. "In a pasture," Hillsboro, Highland Co., Katie M. Roads.
663. *Drosera rotundifolia* L. Roundleaf Sundew. Springfield Twp., Lucas Co., Louis W. Campbell.
669. *Agremone mexicana* L. Mexican Prickly-poppy. Watertown Twp., Washington Co., Frances Raymond.
682. *Berteroa incana* (L.) DO. Hoary Berteroa. "Abundant in Pasture." Metamora, Fulton Co., L. E. Hicks.

- 701.1. *Lepidium perfoliatum* L. Perfoliate Peppergrass. "Growing on railroad track." Barnesville, Belmont Co., Emma E. Laughlin.
703. *Thlaspi arvense* L. Field Penny-cress. La Rue, Marion Co., L. E. Hicks.
705. *Alliaria alliaria* (L.) Britt. Garlic Mustard. Bucyrus, Crawford Co., R. A. Dobbins.
708. *Cheirinia cheiranthoides* (L.) Link. Worm-seed Mustard. Holgate, Henry Co., C. J. Willard; Harmony, Clark Co., John H. Schaffner.
713. *Norta irio* (L.) Britt. Longleaf Hedge-mustard. Railroad track near Hillsboro, Highland Co., Katie M. Roads.
718. *Barbarea stricta* Andrz. Erect Winter-cress. Peniel, Gallia Co., F. B. Chapman and R. W. Limes.
727. *Arabis virginica* (L.) Trel. Virginia Rock-cress. Red Hills region near Central College, Franklin Co., R. B. Gordon and F. B. Chapman.
733. *Cardamine rotundifolia* Mx. Roundleaf Bitter-cress. Jefferson Twp., Ross Co.; Mifflin Twp., Pike Co., Floyd Bartley and Leslie L. Pontius.
- 760.1. *Geranium dissectum* L. Cut-leaf Crane's-bill. Angola Road, West of Toledo, Lucas Co., E. L. Moseley.
768. *Oxalis brittoniae* Small. Britton's Wood-sorrel. Shawnee State Forest, Scioto Co., L. E. Hicks.
769. *Oxalis rufa* Small. Red Wood-sorrel. Mifflin Twp., Pike Co., Floyd Bartley and Leslie L. Pontius.
- 773.1. *Linum grandiflorum* Desf. Large-flowered Flax. Accidental. From northern Africa. Wapakoneta, Auglaize Co., Wm. Kayser.
800. *Tithymalus obtusatus* (Pursh) Kl. & Garcke. Bluntleaf Spurge. Urbana, Champaign Co., M. G. Williams. (Urbana Univ. Herb.).
804. *Tithymalus peplus* (L.) Hill. Petty Spurge.  
(1), Urbana, Champaign Co. and (2), Cincinnati, Hamilton Co., M. G. Williams. (Urbana Univ. Herb.); Ada, Hardin Co., R. A. Dobbins.
809. *Chamaesyce rafinesqui* (Greene) Small. Hairy Spurge. Oak openings west of Toledo, Lucas Co., E. L. Moseley.
815. *Callitriche palustris* L. Vernal Water-starwort. Mifflin Twp., Pike Co., Floyd Bartley and Leslie L. Pontius.
827. *Napaea dioica* L. Glade-mallow. Tiverton and Tuscarawas Twps., Coshocton Co., Frank B. Selby; Bellbrook, Greene Co., L. E. Hicks.
830. *Hibiscus militaris* L. Halberd-leaf Rose-mallow. Middletown, Butler Co., M. G. Williams. (Urbana Univ. Herb.).
840. *Hypericum cistifolium* Lam. Round-podded St. John's-wort. Otsego, Maumee River, Wood Co., E. L. Moseley.
850. *Triadenum virginicum* (L.) Raf. Baumgardner's Pond, Jackson Twp., Franklin Co., R. B. Gordon and F. B. Chapman.
- 866.1. *Viola walteri* House. Walter's Violet. Bainbridge Caves, Highland Co., Lawrence E. Hicks; Mifflin Twp., Pike Co., Floyd Bartley and Leslie L. Pontius.
870. *Viola odorata* L. Sweet Violet. Springfield Twp., Ross Co., Floyd Bartley and Leslie L. Pontius.
873. *Viola pallens* (Banks) Brain. Woodland White Violet. Westboro, Clinton Co., E. Lucy Braun; Andover Twp., Ashtabula Co., L. E. Hicks.
874. *Viola lanceolata* L. Lanceleaf Violet. Higby Prairie, Ross Co., L. E. Hicks.
877. *Viola hirsutula* Brain. Southern Wood Violet. Greer, Knox Co., Lawrence E. Hicks.
880. *Viola triloba* Schw. Three-lobed Violet. Bainbridge Caves, Highland Co., Lawrence E. Hicks; Coshocton Co., F. B. Selby; Beach City, Sugar Creek Twp., Stark Co., W. H. Camp; "Neotoma," Hocking Co., E. S. Thomas and R. B. Gordon.
884. *Viola sagittata* Ait. Arrowleaf Violet. Higby Prairie, Ross Co.; Delta, Fulton Co., L. E. Hicks.
885. *Viola pedata* L. Birdfoot Violet. Monclova Twp., Lucas Co., L. W. Campbell and M. R. Cleve.
912. *Silene latifolia* (Mill.) Britt. & Rend. Bladder Campion. Circleville Twp., Pickaway Co., Leslie L. Pontius and Floyd Bartley.
914. *Silene rotundifolia* Nutt. Roundleaf Catchfly. Jefferson and Franklin Twps., Ross Co., Floyd Bartley and Leslie L. Pontius.

917. *Silene dichotoma* Ehrh. Forked Catchfly. "Several plants in a pasture lot." Liberty Twp., Highland Co., Katie M. Roads.
918. *Silene conica* L. Striate Catchfly. Swanton Twp., Lucas Co., L. W. Campbell.
919. *Silene regia* Sims. Royal Catchfly. Dayton, Montgomery Co., M. G. Williams. (Urbana Univ. Herb.).
962. *Cycloloma atriplicifolium* (Spreng.) Coult. Tumbleweed. Little Cedar Point, Jerusalem Twp., Lucas Co., L. W. Campbell; Holland, Lucas Co., L. E. Hicks.
- 965.2. *Atriplex argentea* Nutt. Silvery Orache. In old Cemetery, Woodville, Sandusky Co. From the west. E. L. Moseley.
1017. *Waldsteinia fragarioides* (Mx.) Tratt. Dry Strawberry. Camp Bud, Delaware Co., C. E. O'Neal, L. H. Tiffany and G. W. Blaydes.
1027. *Rubus strigosus* Mx. Wild Red Raspberry. Cedar Swamp, Champaign Co., Glenn W. Blaydes.
1034. *Filipendula rubra* (Hill.) Rob. Queen-of-the-prairie. Dayton, Montgomery Co., M. G. Williams. (Urbana Univ. Herb.).
- 1034.1. *Filipendula ulmaria* (L.) Maxim. Queen-of-the-meadow. Escaped near Colton, Fulton Co., L. E. Hicks.
1102. *Baptisia australis* (L.) R. Br. Blue Wild-indigo. (1), Dayton, Montgomery Co. and (2), Springfield, Glark Co., M. G. Williams. (Urbana Univ. Herb.).
1104. *Baptisia leucantha* T. & G. Large White Wild-indigo. Upper Sandusky, Wyandot Co., L. E. Hicks; South Charleston, Clark Co., R. B. Gordon and F. B. Chapman; Paxton Twp., Ross Co., Floyd Bartley and Leslie L. Pontius.
1122. *Lotus corniculatus* L. Bird's-foot Trefoil. Ross Co., Leslie L. Pontius and Floyd Bartley.
1129. *Cracca virginiana* L. Virginia Goat's-rue. (1), Portsmouth, Scioto Co. and (2), Dayton, Montgomery Co., M. G. Williams. (Urbana Univ. Herb.).
1153. *Lespedeza nuttallii* Darl. Nuttall's Bush-clover. Devil's Backbone, Washington Twp., Pickaway Co., Leslie L. Pontius and Floyd Bartley.
1157. *Lespedeza virginica* (L.) Britt. Slender Bush-clover. Liberty Twp., Highland Co., Katie M. Roads; Springfield Twp., Ross Co., Leslie L. Pontius and Floyd Bartley.
- 1173.2. *Lathyrus tuberosus* L. Tuber-bearing Pea. Escaped. Canfield, Trumbull Co., H. J. Longnecker and C. J. Willard.
1183. *Sedum acre* L. Wall-pepper. Clifton Gorge, Greene Co., Floyd B. Chapman.
1189. *Sullivantia sullivantii* (T. & G.) Britt. Sullivantia. Mifflin Twp., Pike Co., Buckskin Creek Gorge, Paxton Twp., Ross Co., Leslie L. Pontius and Floyd Bartley.
- 1192.1. *Mitella nuda* L. Naked Bishop's-cap. Cedar Swamp, Champaign Co., M. G. Williams. (Urbana Univ. Herb.).
1194. *Ammannia coccinea* Rottb. Longleaf ammannia. Jerusalem Twp., Lucas Co., L. W. Campbell.
1200. *Rhexia virginica* L. Virginia Meadow-beauty. Vinton Co., E. A. Albaugh and Len. Stephenson.
1219. *Euonymus americanus* L. American Strawberry-bush. Urbana, Champaign Co., M. G. Williams. (Urbana Univ. Herb.).
1229. *Acer spicatum* Lam. Mountain Maple. Along the Wakatomika, Licking Co., E. N. Transeau, W. H. Camp, and Glenn W. Blaydes.
1257. *Urtica urens* L. Small nettle. Coshocton Co., Frank B. Selby.
1323. *Opuntia opuntia* (L.) Karst. Common Prickly-pear. Southwest of Gallipolis, Gallia Co. "An area of sandy hillside well covered with large clumps." L. E. Hicks.
1326. *Ribes lacustre* (Pers.) Poir. Swamp Current. Clifton Gorge, Greene Co., Leslie L. Pontius, and Floyd Bartley.
1344. *Raimannia laciniata* (Hill.) Rose. Cutleaf Evening-primrose. Coshocton, Coshocton Co., Frank B. Selby.
1345. *Kneiffia pratensis* Small. Meadow Sundrops. Springfield Twp., Lucas Co., L. W. Campbell.

1348. *Hartmannia speciosa* (Nutt.) Small. White Evening-primrose. Washington Court House, Fayette Co., R. B. Gordon and F. B. Chapman.
1370. *Phoradendron flavescens* (Pursh) Nutt. American Mistletoe. Liberty and Colerain Twps., Ross Co. In both places on *Nyssa silvatica*. Floyd Bartley and Leslie L. Pontius.
1392. *Hypopitys lanuginosa* (Mx.) Nutt. Hairy Pinesap. Fort Amanda, Logan Twp., Auglaize Co., Geo. A. Heffner.
1395. *Azalea lutea* L. Flame Azalea. Liberty Twp., Jackson Co., Leslie L. Pontius and Floyd Bartley.
1397. *Rhododendron maximum* L. Great Rhododendron. Jackson Twp., Jackson Co., Floyd Bartley and Leslie L. Pontius.
1398. *Kalmia latifolia* L. Mountain Kalmia. Northern part of Liberty Twp., Guernsey Co., L. A. Robertson.
1401. *Oxydendrum arboreum* (L.) DC. Sorrel-tree. Portsmouth, Scioto Co., M. G. Williams. (Urbana Univ. Herb.).
1403. *Gaultheria procumbens* L. Creeping Wintergreen. Delta, Fulton Co., Lawrence E. Hicks.
1418. *Phlox ovata* L. Mountain Phlox. Monclova Twp., Lucas Co., L. W. Campbell.
- 1418a. *Phlox ovata carolina* (L.) Wherry. Carolina Mountain Phlox. Near Hillsboro and in Liberty Twp., Highland Co., Katie M. Roads.
1419. *Phlox glaberrima* L. Smooth Phlox. Mifflin Twp., Pike Co., Floyd Bartley and Leslie L. Pontius.
1420. *Phlox pilosa* L. Downy Phlox. "In woods." Dayton, Montgomery Co., M. G. Williams. (Urbana Univ. Herb.).
1421. *Phlox divaricata* L. Wild Blue Phlox. A pure white-flowered form. In woods, Liberty Twp., Highland Co., Katie M. Roads.
1422. *Phlox stolonifera* Sims. Creeping Phlox. Jackson Co., Dan W. Williams.
1424. *Gilia rubra* (L.) Heller. Standing-cypress. East of old cemetery, Woodville, Sandusky Co., E. L. Moseley.
1428. *Ipomoea lacunosa* L. Small-flowered White Morning-glory. Scioto Twp., Ross Co.; Mifflin Twp., Pike Co., Leslie L. Pontius and Floyd Bartley.
1432. *Convolvulus spithameus* L. Upright Bindweed. Coshocton Co., Frank B. Selby; Cantwell Cliffs, Hocking Co., Leslie L. Pontius and Floyd Bartley.
- 1432.1. *Convolvulus fraterniflorus* Mack & Bush. Short-stalked Bindweed. Crawford and Tuscarawas Twps., Coshocton Co., Frank B. Selby.
- 1433.1. *Convolvulus repens* L. Trailing Bindweed. Jackson Co., R. B. Gordon.
1441. *Cuscuta cephalanthi* Engel. Buttonbush Dodder. Angola, Lucas Co., E. L. Moseley.
1444. *Cuscuta paradoxa* Raf. Glomerate Dodder. Jackson Twp., Pickaway Co., Leslie L. Pontius and Floyd Bartley.
1465. *Gentiana crinita* Froel. Fringed Gentian. Dayton, Montgomery Co., M. G. Williams. (Urbana Univ. Herb.).
1466. *Gentiana puberula* Mx. Downy Gentian. "Brush prairies." Dayton, Montgomery Co., M. G. Williams. (Urbana Univ. Herb.).
1467. *Gentiana saponaria* L. Soapwort Gentian. Higby Prairie, S. E. of Chilli-cothe, Ross Co., E. N. Transeau.
1474. *Menyanthes trifoliata* L. Buckbean. Baumgardner's Pond, Jackson Twp., Franklin Co., F. B. Chapman and R. B. Gordon.
1478. *Apocynum sibiricum* Jacq. Claspingleaf Dogbane. Jerusalem Twp., Lucas Co., L. W. Campbell.
1481. *Acerates floridana* (Lam.) Hitchc. Florida Milkweed. Burlingham, Meigs Co., Lawrence E. Hicks.
1484. *Asclepias purpurascens* L. Purple Milkweed. Springfield, Clark Co., M. G. Williams. (Urbana Univ. Herb.).
1486. *Asclepias pulchra* Ehrh. Hairy Milkweed. Kossuth, Auglaize Co., L. E. Hicks; Byers Hollow, Eagle Twp., Vinton Co., Floyd Bartley and Leslie L. Pontius.
1488. *Asclepias amplexicaulis* Sm. Bluntleaf Milkweed. Swanton, Fulton Co.; West of Gallipolis, Gallia Co., Lawrence E. Hicks.
- 1501.1. *Lycium chinense* Mill. Chinese Matrimony-vine. From E. Asia. "Escaped near Andover," Ashtabula Co., Lawrence E. Hicks.

1505. *Physalis virginiana* Mill. Virginia Ground-Cherry. Colerain Twp., Ross Co., Floyd Bartley and Leslie L. Pontius.
1552. *Aureolaria pedicularia* (L.) Raf. Fernleaf False Foxglove. Buchtel, Athens Co., Len. Stephenson.
1554. *Aureolaria laevigata* (Raf.) Raf. Entire-leaf False Foxglove. Lick Run near Nelsonville, Athens Co., E. A. Albaugh and Len. Stephenson.
1559. *Agalinis skinneriana* (Wood) Britt. Was by mistake credited to Wood County in the "1929 additions." The record should read Fulton Co.
1561. *Castilleja coccinea* (L.) Spreng. Scarlet Painted-cup. Jefferson Twp., Madison Co., John Wolfe; "Damp fields." Dayton, Montgomery Co., M. G. Williams. (Urbana Univ. Herb.).
1580. *Martynia louisiana* Mill. Unicorn-plant. Spontaneous at Nelsonville, Athens Co., Len. Stephenson.
1585. *Stomoea cornuta* (Mx.) Raf. Horned Bladderwort. Cedar Swamp, Champaign Co., M. G. Williams. (Urbana Univ. Herb.).
1599. *Lithospermum latifolium* Mx. American Gromwell. Dayton, Montgomery Co., M. G. Williams. (Urbana Univ. Herb.).
1604. *Onosmodium hispidissimum* Mack. Shaggy False Gromwell. Buchtel, Athens Co., Len. Stephenson.
- 1605.1. *Borago officinalis* L. Borage. "Very common and very persistent after cultivation." Hillsboro, Highland Co., Katie M. Roads.
1626. *Scutellaria pilosa* Mx. Hairy Skullcap. Paxton Twp., Ross Co., Floyd Bartley and Leslie L. Pontius.
1638. *Clinopodium glabrum* (Nutt.) Ktz. Low Calamint. "Woods." Springfield, Clark Co., M. G. Williams. (Urbana Univ. Herb.).
- 1642.1. *Koellia pycnanthemoides* (Leav.) Ktz. Southern Mountain-Mint. "Very rare." Springfield, Clark Co., about 1833-35. M. G. Williams. (Urbana Univ. Herb.).
- 1666.1. *Dracocephalum speciosum* Sw. Showy Dragonhead. Washington and Tuscarawas Twp., Coshocton Co., Frank B. Selby; Hocking Co., E. A. Albaugh and Len. Stephenson; Pickaway Twp., Pickaway Co., Floyd Bartley and Leslie L. Pontius.
1668. *Synandra hispidula* (Mx.) Britt. Synandra. Springfield, Clark Co., M. G. Williams. (Urbana Univ. Herb.).
1686. *Salvia lyrata* L. Lyreleaf Sage. White's Gulch, Jackson Co., E. A. Albaugh and Len. Stephenson; Byers Hollow, Eagle Twp., Vinton Co. and Jefferson Twp., Ross Co. Floyd Bartley and Leslie L. Pontius.
1687. *Salvia lanceifolia* Poir. Lanceleaf Sage. Jackson Twp., Pickaway Co., Leslie L. Pontius and Floyd Bartley.
1698. *Aralia spinosa* L. Angelica-tree. Liberty Twp., Jackson Co., Leslie L. Pontius and Floyd Bartley.
1704. *Eryngium aquaticum* L. Rattlesnake-master. Springfield and between Springfield and Clifton Gorge, Clark Co., M. G. Williams. (Urbana Univ. Herb.).
1718. *Angelica villosa* (Walt.) B. S. P. Hairy Angelica. Springfield, Clark Co., M. G. Williams. (Urbana Univ. Herb.).
1719. *Oxypolis rigidus* (L.) Raf. Cowbane. Buchtel, Athens Co., Len. Stephenson.
1730. *Hydrocotyle americana* L. American Marsh-pennywort. Along the Wapatomika, Licking Co., E. N. Transeau and Glenn W. Blaydes.
1733. *Aegopodium podagraria* L. Goutweed. Variegated form. Wapakoneta, Auglaize Co., Wm. Kayser.
1738. *Cicuta bulbifera* L. Bulb-bearing Water-hemlock. Marsh near Cincinnati, Hamilton Co., C. W. Short M. D. (1836). (Williams Herb.). Urbana Univ.
1749. *Cynoxylon canadense* (L.). Dwarf Dogwood. Andover Twp., Ashtabula Co., Lawrence E. Hicks.
- 1753.1. *Houstonia lanceolata* (Poir.) Britt. Lanceleaf Houstonia. Mifflin Twp., Pike Co., Floyd Bartley and Leslie L. Pontius.
1760. *Diodia teres* Walt. Rough Buttonweed. Mifflin Twp., Pike Co., Leslie L. Pontius and Floyd Bartley.
- 1760.1. *Galium verum* L. Yellow Bedstraw. In Field, Cantwell Cliffs, Hocking Co., Leslie L. Pontius and Floyd Bartley.

1764. *Galium boreale* L. Northern Bedstraw. Metamora, Fulton Co., L. E. Hicks.
1769. *Galium claytoni* Mx. Clayton's Bedstraw. Baumgardner's Pond, Jackson Twp., Franklin Co., R. B. Gordon and F. B. Chapman.
1776. *Viburnum pubescens* (Ait.) Pursh. Downy Arrow-wood. Clifton Gorge, Greene Co.; Mifflin Twp., Pike Co., Floyd Bartley and Leslie L. Pontius.
1786. *Triosteum angustifolium* L. Yellow Horse-gentian. Carthagenia, Mercer Co., Conrad Dueringer.
1797. *Lonicera hirsuta* Eaton. Hairy Honeysuckle. Mifflin Twp., Pike Co.; Clifton Gorge, Green Co., Floyd Bartley and Leslie L. Pontius.
1807. *Valeriana pauciflora* Mx. Large-flowered Valerian. Belmont Co., A. J. Pancake.
1809. *Valeriana officinalis* L. Garden Valerian. Nelsonville, Athens Co., Len. Stephenson.
1812. *Campanula rotundifolia* L. Harebell. Abundant in Paxton Twp., Ross Co., Floyd Bartley, and Leslie L. Pontius.
1869. *Bidens frondosa* L. Black Beggar-ticks. Lafayette Twp., Coshocton Co., Frank B. Selby.
1897. *Antennaria solitaria* Rydb. Single-headed Everlasting. Springfield Twp., Ross Co.; Byers Hollow, Eagle Twp., Vinton Co., Floyd Bartley and Leslie L. Pontius.
1901. *Grindelia squarrosa* (Pursh) Dun. Broadleaf Gum-plant. Salt Creek Twp., Hocking Co., Leslie L. Pontius and Floyd Bartley.
1904. *Solidago squarrosa* Muhl. Stout Goldenrod. Salt Creek Twp., Hocking Co., Floyd Bartley and Leslie L. Pontius.
1922. *Solidago rigida* L. Stiff Goldenrod. Springfield, Clark Co., M. G. Williams. (Urbana Univ. Herb.).
1924. *Solidago riddellii* Frank. Riddell's Goldenrod. Dayton, Montgomery Co. "Wet meadows." M. G. Williams. (Williams Herb. Urbana Univ.).
1928. *Boltonia asteroides* (L.) L'Her. Boltonia. "Roadside." Buchtel, Athens Co., Len. Stephenson.
- 1947.1. *Aster concinnus* Willd. Narrowleaf Smooth Aster. Rocky Fork, Highland Co., Floyd Bartley and Leslie L. Pontius.
1948. *Aster junceus* Ait. Rush Aster. Lafayette Twp., Coshocton Co., Frank B. Selby.
1950. *Aster hirsuticaulis* Lindl. Roughstem Aster. Lafayette Twp., Coshocton Co., Frank B. Selby.
1952. *Aster multiflorus* Ait. Dense-flowered Aster. Paxton Twp., Ross Co., Floyd Bartley and Leslie L. Pontius.
1979. *Lacinaria squarrosa* (L.) Hill. Scaly Blazing-star. Springfield, Clark Co., and Urbana, Champaign Co., M. G. Williams. (Urbana Univ. Herb.).
1982. *Lacinaria scariosa* (L.) Hill. Large Blazing-star. "Dry prairies." Springfield, Clark Co., M. G. Williams. (Urbana Univ. Herb.).
1988. *Elephantopus carolinianus* Willd. Carolina Elephant's-foot. Head of Morgan Creek, Pike Co. and Paxton Twp., Ross Co., Floyd Bartley and Leslie L. Pontius.
2001. *Artemisia caudata* Mx. Wild Wormwood. Bay Point, Ottawa Co., L. E. Hicks.
2005. *Artemisia pontica* L. Roman Wormwood. Wapakoneta, Auglaize Co., Wm. Kayser.
- 2005.1. *Artemisia ludoviciana* Nutt. Western Mugwort. Wapakoneta, Auglaize Co., Wm. Kayser.
2008. *Mesadenia reniformis* (Muhl.) Raf. Great Indian-plantain. Mifflin Twp., Pike Co., Floyd Bartley and Leslie L. Pontius.
2010. *Mesadenia tuberosa* (Nutt.) Britt. Tuberous Indian-plantain. Springfield, Clark Co., M. G. Williams. (Urbana Univ. Herb.).
- 2014.2. *Senecio plattensis* Nutt. Prairie Squaw-weed. Bowling Green, Wood Co., E. L. Moseley.
2016. *Tussilago farfara* L. Coltsfoot. Milan, Erie Co., Miss Hawley (E. L. Moseley).



2017. *Arctium tomentosum* (Lam.) Schk. Woolly Burdock. Tiverton and Tuscarawas Twps., Coshocton Co., Frank B. Selby.
- 2029.1. *Centaurea vochinensis* Bernh. Tyrol Star-thistle. Pickaway and Circleville Twps., Pickaway Co., Leslie L. Pontius and Floyd Bartley.
2035. *Hypochaeris radicata* L. Long-rooted Cat's-ear. Buchtel, Athens Co., Len. Stephenson.
2047. *Lactuca villosa* Jacq. Hairy-veined Blue Lettuce. Lafayette Twp., Coshocton Co., Frank B. Selby; Wapakoneta, Auglaize Co., Wm. Kayser.
2054. *Nabalus crepidineus* (Mx.) DC. Corymbed Rattlesnake-root. Dayton, Montgomery Co., M. G. Williams. (Urbana Univ. Herb.).
2061. *Hieracium greenii* Port. and Britt. Green's Hawkweed. Green Twp., Ross Co., Floyd Bartley and Leslie L. Pontius.
2063. *Hieracium aurantiacum* L. Orange Hawkweed. Buchtel, Athens Co., Len. Stephenson; Spencer Twp., Lucas Co., L. W. Campbell and E. S. Thomas.

## NOTICE

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This number of the OHIO JOURNAL OF SCIENCE contains the Proceedings of the Ohio Academy of Science for the 41st meeting.

Under a plan recently consummated the Journal, which has been the official organ of the Academy since 1904, will be the main avenue of publication for the Academy. It will include the proceedings, membership and officers lists, abstracts of papers presented and so far as practicable the full papers presented at the Academy meetings as well as contributed articles from Academy members and other scientific workers. By agreement with the Ohio State University a joint Administrative Board will manage the Journal, determining policies, naming editorial staff and sharing financial responsibility. The Journal will be sent as exchange for publications of other Academies and scientific organizations which have heretofore received the Proceedings, but organizations that prefer to receive the Proceedings only will kindly notify the Academy secretary so that such exchange may be continued. A limited extra number of the Proceedings will be available for such exchange or for individuals who may desire them in separate form.

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As this number goes to press information has been received of the death of the veteran Naturalist, Mr. Chas. Dury of Cincinnati. Mr. Dury was one of the early members of the Ohio Academy of Science and its President in 1907. A more detailed notice of his life may be expected in a later number of the *Journal*.